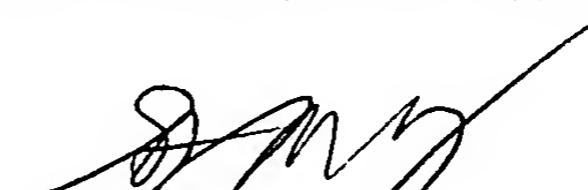


FORM PTO-1390 (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>9157-058</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/517769</b>
INTERNATIONAL APPLICATION NO. <b>PCT/CA2003/000952</b>	INTERNATIONAL FILING DATE <b>June 26, 2003</b>		PRIORITY DATE CLAIMED <b>July 1, 2002</b>	
TITLE OF INVENTION <b>MEASURING STRAIN IN A STRUCTURE (BRIDGE) WITH A (TEMPERATURE . . .</b>				
APPLICANT(S) FOR DO/EO/US <b>THOMSON, Douglas, John; BRIDGES, Gregory, E.</b>				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input checked="" type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>				
<b>Items 11 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol>				

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>107517769</b>	INTERNATIONAL APPLICATION NO. <b>PCT/CA2003/000952</b>	ATTORNEY'S DOCKET NUMBER <b>9157-058</b>
21. The following fees are submitted:		Applicant use      Office use only
<input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00		\$ 300.00 \$ 200.00 \$ 500.00 \$ 1000.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1000.00</b>
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)
- 100 =	/50 =	x \$250.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	<b>35</b>	- 20 = <b>15</b>
Independent claims	<b>3</b>	- 3 = <b>0</b>
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$ 1,750.00</b>
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$ 875.00
<b>SUBTOTAL =</b>		<b>\$ 875.00</b>
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$
<b>TOTAL NATIONAL FEE =</b>		<b>\$ 875.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$
<b>TOTAL FEES ENCLOSED =</b>		<b>\$ 875.00</b>
Amount to be refunded:		\$
Amount to be charged		
a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>875.00</b> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>022095</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.		
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.		
SEND ALL CORRESPONDENCE TO:		
Bereskin & Parr Box 401, 40 King Street West Toronto, Ontario M5H 3Y2 Canada		
 SIGNATURE Stephen M. Beney NAME 41,563 REGISTRATION NUMBER		

December 22, 2004

Stephen M. Beney B.Sc. (Physics)  
416 957 1697 sbeney@bereskinparr.com

Your Reference: PCT/CA03/000952  
Our Reference: 9157-58

The Commissioner of Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for entry into national phase of the patent application of

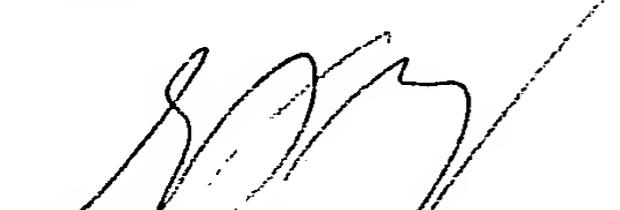
Inventors: Douglas John THOMSON and Gregory E. BRIDGES

For: **MEASURING STRAIN IN A STRUCTURE (BRIDGE) WITH A (TEMPERATURE COMPENSATED) ELECTROMAGNETIC RESONATOR (MICROWAVE CAVITY)**

The following papers are enclosed:

- Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. 371.
- Preliminary Amendment.
- Declaration of Inventorship
- A cheque in the amount of \$875.00 with respect to the government filing fee is enclosed.
- PAYMENT OF THE CLAIM FEES IS BEING DEFERRED.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Deposit Account No. 02-2095.
- Convention priority is requested based on United States Provisional Patent Application No. 60/1392,260 filed on July 1, 2002.

Respectfully submitted,

  
Stephen Beney  
Registration No. 31,696

10/517769

DT01 Rec'd PCT/PTC, 27 DEC 2004

The PTO did not receive the following  
listed item(s): NO POST CARD

Best Available Copy